

Diesel Truck (3.6) 2022

- 1.** Maximum weight 8000lbs.
- 2.** An OEM chassis is mandatory. The vehicle must retain the full OEM frame from center line of front axle to center line of rear axle. Full tube chassis are prohibited. Maximum wheelbase 158" and 102" maximum width (outside tire to outside tire). Rigid suspension allowed.
- 3.** The body must be an OEM truck body. No flatbeds permitted. The body must retain the full sheet metal, aftermarket hoods are permitted. The hood must be closed and securely latched while hooked to the steel.
 - a.** Firewall—Must have a complete firewall with no holes except for controls. Holes not to exceed 1/2" larger than the controls. May be constructed of a minimum 1/16" aluminum, 1/16" steel, or 1/8" Lexan and must extend downward to the bottom of the frame.
- 4.** Maximum engine size will be 460 cubic inches. Engine must come in one ton or smaller truck. Engine must be OEM replacement or its replica. A replica to be considered must retain stock bore spacing and operate with the stock crankshaft for the model without alterations for chassis mounting.
- 5.** Front of engine block can be no farther forward than 17" of center line of front axle.
- 6.** Engine must have cable surrounding block and head. Cable must be minimum of 3/8" diameter located between cylinders #1 and #2. Cable must pass thru manifolds. Cable will have 4-6" of stack with a minimum of 4 cable clamps at splice.
- 7.** All engines will have a deflection shield, running the complete length of the block casting. Shield must be securely fastened and must be .060" thick. (This equates to a steel inner fender.)
- 8.** Hook point must be no closer than 44" of centerline of rear axle, hitch height maximum of 26", with a minimum of 3.75" X 3.0" opening. Hitch point must be easily accessed. No "trick" type hitches permitted. Hitch must be stationary in all directions. Hitch must be frame mounted. Hitch must be mounted center line of rear axle or behind. Hitch must not exceed a maximum of 25° angle from pivot

point to hook point. Drawbar height adjustment link if attached to rear differential housing the attaching point must be at axle centerline or below. The drawbar adjusters cannot attach to anything above centerline of the rear axle. The adjusters must go down from drawbar. The adjusters can only go straight downward vertically or towards rear differential housing. No slotting of holes for adjuster attachment. No hitch supports or adjusters, fastened to the rear axle. Pivot point of drawbar can be no farther forward than centerline of the rear axle.

9. Secondary hitch required. Minimum of 3/8" material, located 12" below primary hitch on the same vertical plane. (You should be able to look directly through both at the same time—they need to be lined up.)

10. The turbocharger is smooth faced intake housing, limited to a maximum 3.6" inlet, (no map ring) with all air entering through the 3.6" opening. Intake wheel must protrude 1/8th inch inside of opening.

11. Exhaust must exit straight up, with (2) 3/8" bolts mounted in a cross pattern no more than 1" apart as close to the turbine wheel as possible, no more than 6" from turbine wheel.

12. Intercoolers allowed. Dumping or draining intercoolers without a catch pan within 100 feet of competition track is prohibited.

13. Water injection is permitted. Lubrication only. No alcohol or oxygen enhancers allowed.

14. Air shut off must have a cable that goes to the rear of truck operated by the sled operator and also one to the cab of the truck. Kill switch will be securely mounted to the back of the vehicle and have a two (2) inch diameter metallic ring to attach the sled.

15. Fuel Systems: Largest fuel injection pump allowed will be a P-pump with one plunger per cylinder. (No Sigma pumps.) The use of multiple high pressure common rail fuel pumps is allowed. Ford Powerstroke engine may utilize a second HPOP. Electronic fuel injection is permitted. A 3-way dump valve mounted before the injection pump is mandatory which can be operated by the driver while strapped in the seat.

- 16.** No fuel lines or tanks permitted inside of truck cab unless securely mounted in marine box.
- 17.** Fuel limited to diesel fuel. No alcohol, nitrous, propane, or any oxygen enhancing agents allowed.
- 18.** Tires: May run DOT approved tire or bar tire.
 - a.** DOT Tire: Maximum tire height 35", no studded tires or chains. No alteration to DOT tires allowed. Dual rear wheels are permitted on rear axle only. Maximum of 6 tires.
 - b.** Bar Tire: Maximum tire circumference or 112" when inflated to 30psi with original bar, not to exceed 18 inches in width before cutting. Maximum 4 tires.
 - c.** No combination of (bar/DOT) tires permitted.
- 19.** Front weights must be no more than 60" from the center line of the front axle to forward most point and be securely fastened. No weights are allowed in cab of the truck.
- 20.** Drive train will consist of the following: Any front axle, any transfer case and any rear axle. No planetaries permitted.
- 21.** Axle shields are required. Shield to be .060" thickness steel or aluminum. Shield no to be mounted to axles ends or hub bolts. A hole may be cut in one to allow locking in of hubs.
- 22.** No cast iron clutches or flywheels permitted, must be SFI approved. Trucks with automatic transmissions refer to General Rules.
- 23.** SFI bellhousing blankets and/or SFI blow proof bellhousing required.
- 24.** All u-joints must be shielded 360 degrees with 3/8" thick aluminum w/1/8 steel liner or 5/16" thick shield. Shield will be 6 inches long minimum and centered on u-joint. Inside diameter of shield will be no more than 2 inches larger than u-joint.
- 25.** All intermediate shafts between the transmission and transfer case will be totally enclosed in 3/8" aluminum or 5/16" steel, 1/4" of shaft may be visible.

26. Fire extinguisher (2.5#) or fire suppression system, helmets--Snell 90 or better, SFI fire suits, hat sock, gloves, shoes, and seatbelts required. See General Rules for SFI specifications on clothing.